SANGEAN

A WORLD OF LISTENING

DCR-9/DCR-209

FM RDS/DAB digital clock radio

Operating instruction **GB**

WARNING:
TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

THE LIGHTNING FLASH AND ARROW- HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE RADIO.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE BACK, NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THIS RADIO.

DAB Digital Audio Broadcasting

Please read this manual before use

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IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet. consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged. liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

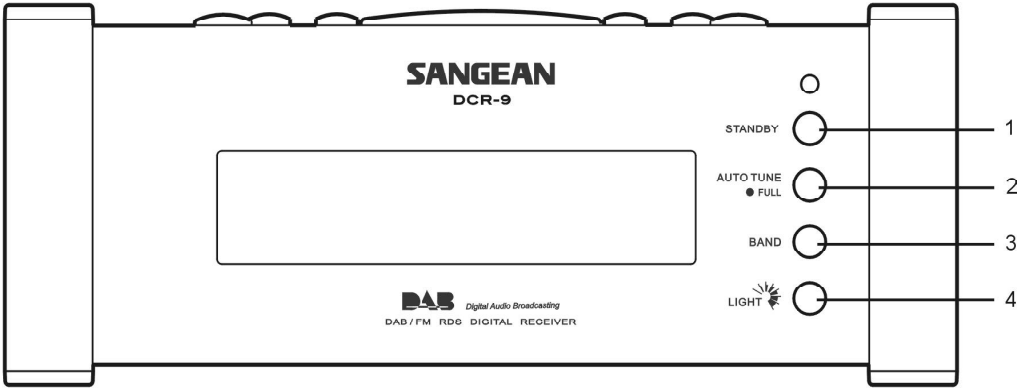
15. To Reduce the Risk of Fire or Electric Shock, Do not Expose This Appliance To Rain or Moisture.

16. The Shock Hazard Marking and Associated Graphical Symbol is provided on the bottom panel of unit.

17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall not be placed on the apparatus.

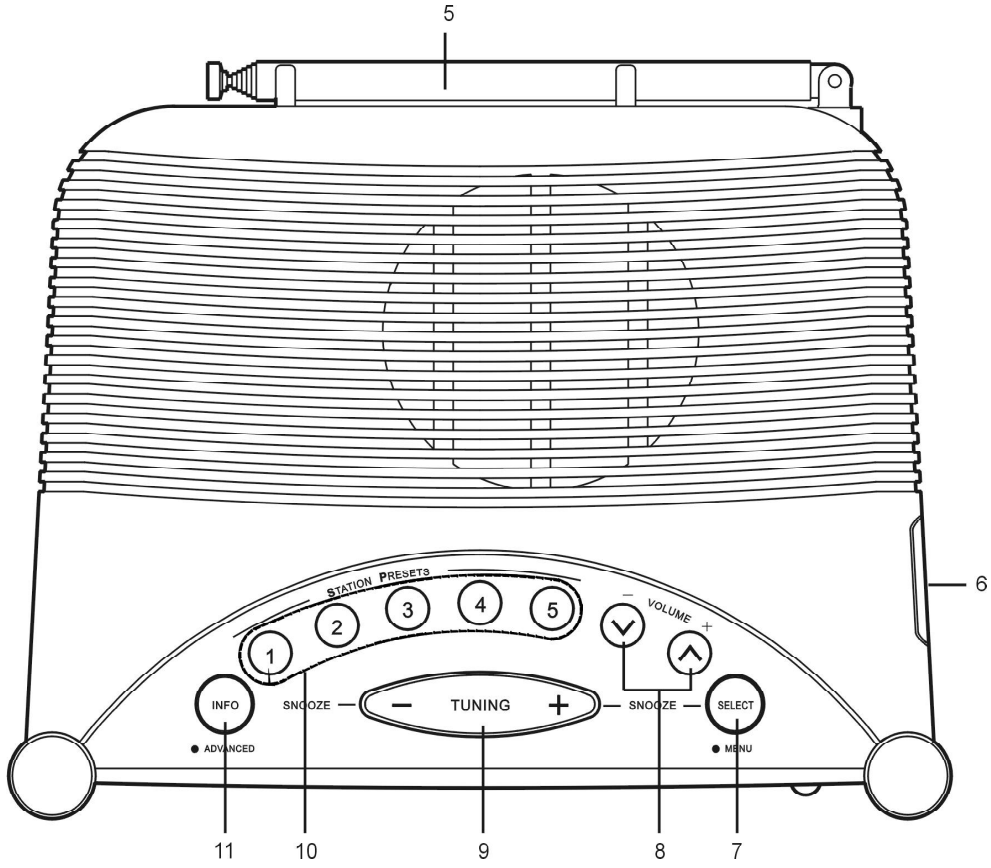
GB

Controls (Front)



1. StandBy button
2. Autotune button
3. Waveband button
4. Light button

Controls (Top)



5. Telescopic aerial
6. Headphone socket
7. Select button
8. Volume up/down buttons
9. Tuning up/down buttons
10. Preset buttons
11. Info button

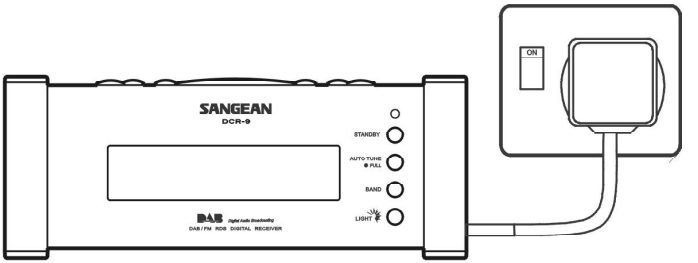
GB

Mains operation

1. Place the unit on a flat surface. Plug the mains lead into a wall socket and switch on the wall socket.

2. The display will show "DAB digital radio" for a few seconds before returning to clock display.

3. The clock time will be automatically set after your clock radio has been has been tuned to a DAB station for a few minutes.



Operating your radio - DAB

1. Fully extend the telescopic aerial.

2. Press the ***StandBy button*** to switch on your radio.

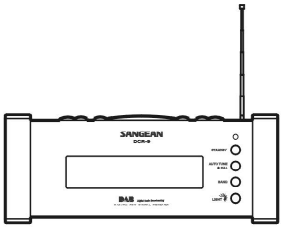
3. If this is the first time the radio is used a quick scan DAB channels will be carried out. The display will show "Autotune Quick scan". If the radio has been used before the last used station will be selected.

4. During Autotune as each group of stations is detected the bottom line of the display will show its name and the station count will be updated. The top line of the display shows a bargraph indicating progress of the Autotune.

5. When the Auto tune is complete the first station (in numeric-alpha order 0...9...A....Z) will be selected.

6. If the station list is still empty after the Autotune your radio will display "No Signal".

7. If no signals are found it may be necessary to relocate your radio to as position giving better reception.



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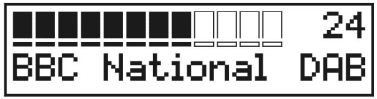
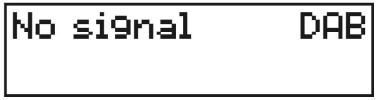




Selecting a station - DAB

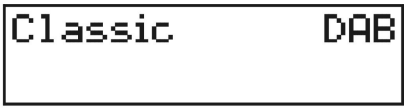
1. The top line of the display shows the name of the station currently selected.

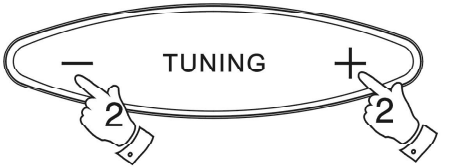
2. Press the ***Tuning up or down buttons*** to step through the list of available stations.

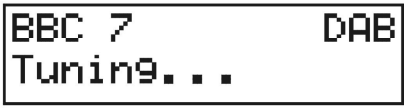
3. Press and release the ***Select button*** to select the station. The display may show "Tuning" while your radio finds the new station.

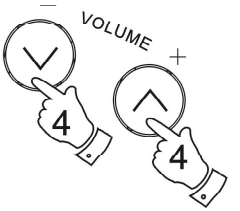
4. Adjust the ***Volume control*** to the required setting.

   Note: If after selecting a station the display shows "Not Available" it may be necessary to relocate your radio to a position giving better reception.









Secondary services - DAB

1. Certain radio stations have one or more secondary services associated with them. If a station has a secondary service associated with it the display will show " **›** " next to the station name on the station list. The secondary service will then appear immediately after the primary service as you move through the tuning list.

Display modes - DAB

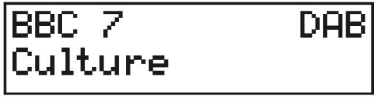
Your radio has five display modes:-

1. Press the ***Info button*** to cycle through the various modes.

a. Scrolling text	Displays scrolling text messages such as artist/track name, phone in number, etc.
b. Programme type	Displays type of station being listened to e.g. Pop, Classic, News, etc.
c. Multiplex Name	Displays name of multiplex to which current station belongs.
d. Signal strength	Displays signal strength for station being listened to.
e. Time and date	Displays current time and date.

a

b



c

d

e

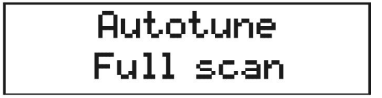
GB

Finding new stations - DAB

As time passes new stations may become available. To find new stations proceed as follows:-

1. Press and release the ***AutoTune button***, the display will show "Autotune Quick Scan". Your radio will perform a scan of the DAB frequencies. As new stations are found the station counter on the right-hand side of the display will increase and stations will be added to the list

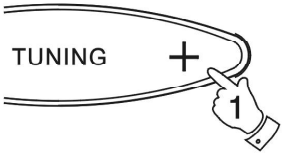
2. To carry out a full scan of the entire DAB Band III frequencies press and hold down the ***AutoTune button*** for more than 2 seconds and then release. The display will show "Autotune Full scan". As new stations are found the station counter on the right-hand side of the display will increase and stations will be added to the list



Autoselect - DAB

As an alternative to pressing the tuning control to select a station your radio can be set so as to automatically select a station.

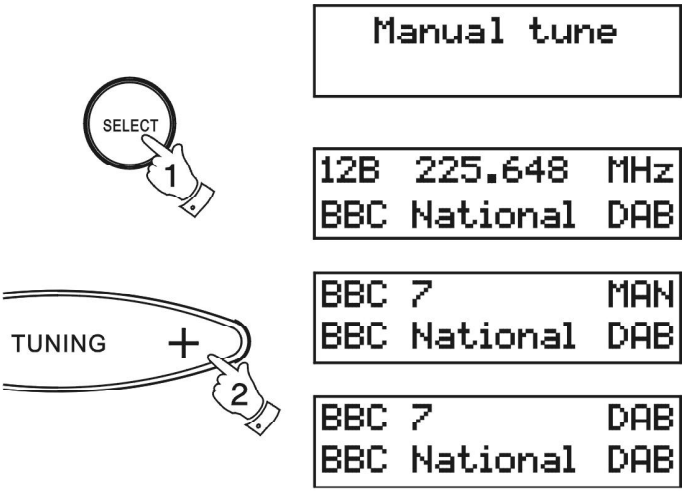
1. Press either the ***Tuning up or down buttons*** a few times, immediately press and hold in the ***Select button*** until the display shows "Autoselect ON".
2. Scroll through the tuning list using the ***Tuning up or down buttons*** until the station you require is visible on the display, after a few seconds your radio will automatically select the station shown on the display.
3. To switch off Autoselect press either the ***Tuning up or down buttons*** a few times, immediately press and hold in the ***Select button*** until the display shows "Autoselect OFF".



Manual Tuning - DAB

Manual tuning allows you to tune directly to the various DAB Band III channels.

1. Press and hold in the ***Select button*** until the display shows "Manual tune".
2. Press the ***Tuning up or down buttons*** to find the required DAB channel.
3. Press and release the ***Select button*** to select the channel.
4. Press the ***Tuning up or down buttons*** to select the stations contained within the Multiplex for the selected DAB channel.
5. Press and release the ***Select button*** to return to normal tuning mode.



Signal strength display - DAB

1. Repeatedly press and release the ***Info button*** until the lower line of the display shows signal strength.
2. Position your radio and angle the telescopic aerial for best reception using the signal strength display as a guide. Move your radio around and position so as to give maximum number of black rectangles on signal strength display.
3. The clear unfilled rectangle indicates minimum signal level required for satisfactory reception.

GB

Operating your radio - FM

1. Fully extend the telescopic aerial.

2. Press the ***StandBy button*** to switch on your radio. The display will show "DAB digital radio" for a few seconds.

3. Press the ***Band button*** to select the FM band.

4. Press and immediately release the ***Auto Tune button***, your radio will scan in an upwards direction (low frequency to high frequency) and stop automatically when it finds a station of sufficient strength.

5. After a few seconds the display will update and show station name.

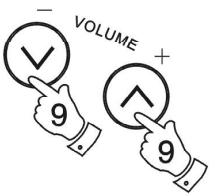
6. To find other stations press and release the ***AutoTune button*** as before.

7. To scan the FM band in a downwards direction (high frequency to low frequency) press and hold down the ***AutoTune button*** for 0. 5 seconds and then release.

8. When the waveband end is reached your radio will recommence tuning from the opposite waveband end.

9. Adjust the ***Volume control*** to the required settings.

10. To switch off your radio press the ***StandBy button***.



Manual tuning - FM

1. Press the ***StandBy button*** to switch on your radio.

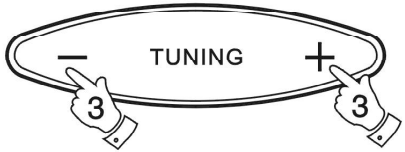
2. Press the ***FM/DAB button*** to select the FM band. Fully extend the ***Telescopic aerial*** .

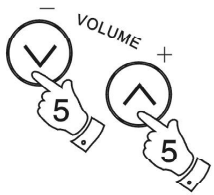
3. Press the ***Tuning up or down buttons*** to tune to a station. The frequency will change in steps of 50kHz.

4. When the waveband end is reached the radio will recommence tuning from the opposite waveband end.

5. Set the ***Volume control*** to the desired setting.

6. To switch off your radio press the ***StandBy button***.





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Display modes - FM

On FM the bottom line of the display can be set to any of the following modes:-

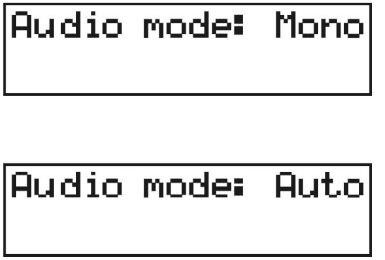
1. Press the ***Info button*** to cycle through the various modes.

a. Scrolling text	Displays scrolling text messages such as artist/track name, phone in number etc.	a
b. Program Type	Displays type of station being listened to e.g. Pop, Classic, News, etc.	b
c. Signal strength	Displays signal strength for station being listened to.	c
d. Time and date	Displays current time and date.	d
e. Frequency	Displays frequency of the station being listened to.	e
f. Audio mode	Display shows Auto (stereo) or mono.	f

FM Stereo/Mono

1. If a station being received is weak some hiss may be audible. To reduce the hiss press and hold in the ***Select button*** until the display shows "Audio mode : mono" your radio will switch to mono mode.
2. To return to stereo mode press and hold in the ***Select button*** until the display shows "Audio mode :Auto", your radio will switch to stereo mode.

   Note: FM stereo is only available when using earphone/headphones



Presetting stations - DAB and FM

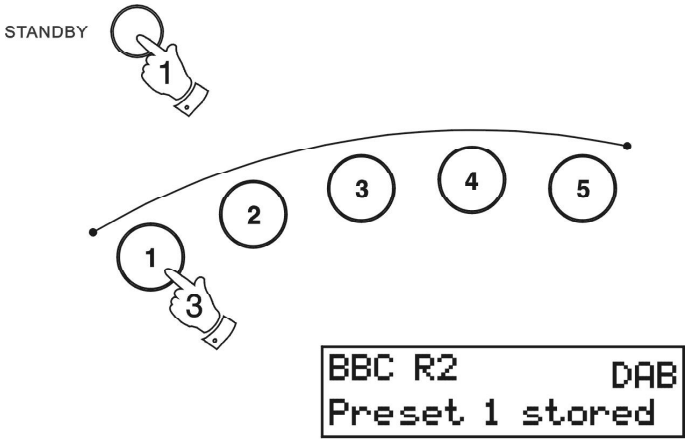
There are 5 memory presets for each of the 2 wavebands.

1. Press the ***StandBy button*** switch on the radio.

2. Tune to the required station as previously described.

3. Press and hold down the required ***Preset button*** until the display shows e.g. "Preset 1 stored". The station will be stored under the chosen preset button. Repeat this procedure for the remaining presets.

4. Stations stored in preset memories may be overwritten by following the above procedure.



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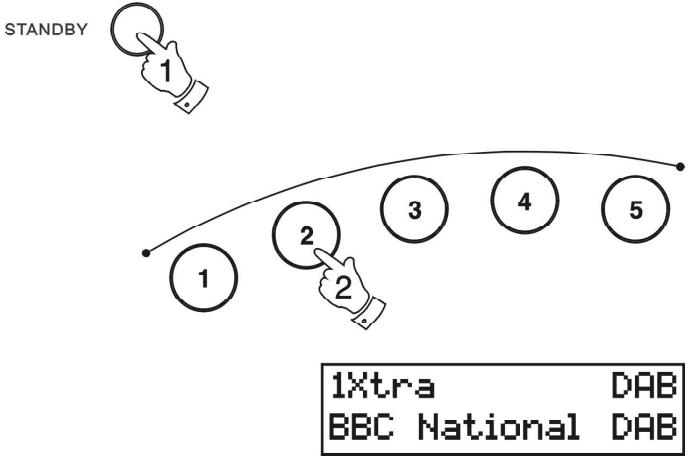
Recalling a preset station - DAB and FM

1. Press the ***StandBy button*** to switch on the radio.

2. Select the required waveband by pressing the ***Band*** button.

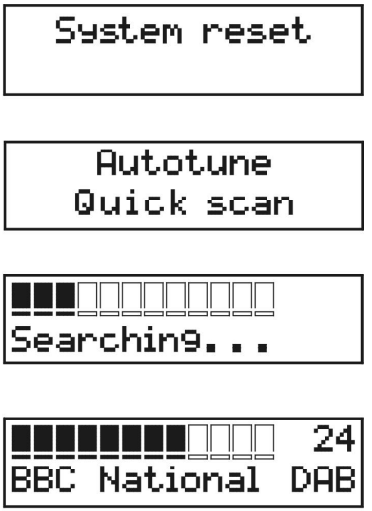
3. Momentarily press the required ***Preset button***, your radio will tune to the station stored in preset memory.



System reset

If your radio fails to operate correctly, or some digits on the display are missing or incomplete carry out the following procedure.

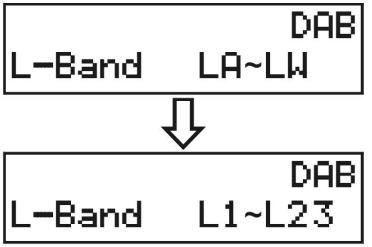
1. Press and hold in the ***Info button*** until the display shows the software version.
2. Press the ***Info button*** twice the display will show System reset.
3. Press in and release the ***Select button*** to select System reset.
4. If DAB was used last then a "Quick scan" of the DAB band will be performed, otherwise a "Quick scan" will be carried out the next time the DAB band is selected.



Select L band channels for Canada (DCR-209 only)

L band channels in Canada and Europe are different. Initial setting for L band channels of this receiver is for Europe (Quick scan 10A-LK and Full scan 5A-LW). For Canada, following steps should be taken to select suitable L band channels in Canada (Quick scan L1-L23 and 5A-L23 full scan).

1. Press and hold the Info button until display shows software version.
2. Press the Info button twice, the display will show L band.
3. Press Select button to change the L band channels LA-LW (for Europe) to be L1-L23 (for Canada).



Setting the alarm time

1. Repeatedly press and release the ***Info button*** until the display shows *Alarm Status*.

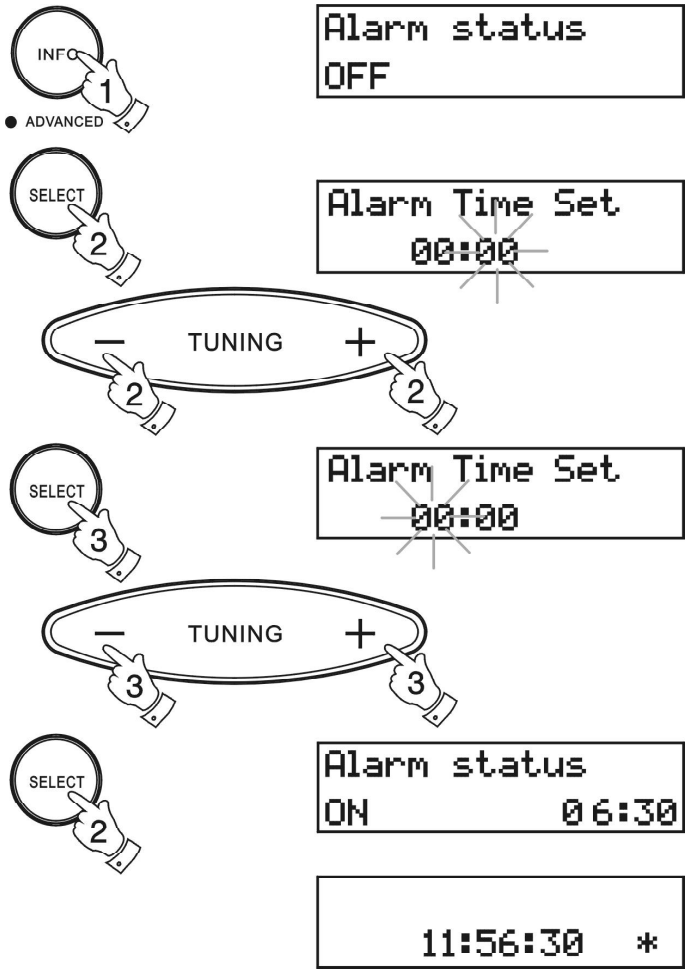
2. Press the ***Select button*** the display will show *Alarm Time Set.* The minutes digits will begin to flash in the display. Set the required minute using the ***Tuning Up/Down buttons***.

3. Press the ***Select button***. The hours digits will begin to flash in the display. Set the required hour using the ***Tuning Up/Down buttons***.

4. Press the ***Select button*** to confirm the alarm setting. The display will show Alarm Status On together with the alarm time. After a few seconds the display will revert to showing real time.

   A ✻ symbol will appear in the display indicating that the alarm is active.

   Note: Alarm times are set using 24Hr format e.g. 2:30PM is entered as 14:30



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Selecting alarm type

Your clock radio can be set so as to wake you to either radio or beep type alarm.

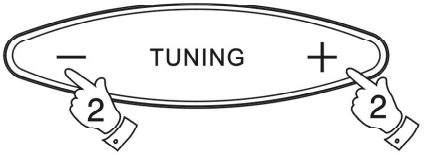
1. Repeatedly press and release the ***Info button*** until the display shows *Alarm Status*.

2. Press either the ***Tuning Up or Down buttons*** to enter alarm type setting.

3. Press the ***Select button*** to change between Radio and Beep alarms.

4. Press the ***Info button*** to confirm the selection.

Note: when alarm is set to wake by radio your clock radio switch on to the last used station.



Cancelling alarms

1. Whilst an alarm is sounding it can be cancelled for 24hours by pressing the ***Standby button***.

2. To permanently cancel an alarm proceed as follows:-

3. Repeatedly press and release the ***Info button*** until the display shows *Alarm Status*.

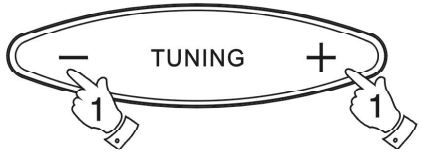
4. Press the ***Select button*** to change alarm status to OFF.

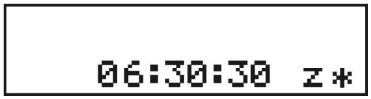
GB

Snooze function

1. The radio or beep alarm can be silenced for 5 minutes by pressing the ***Tuning Up/Down*** or ***Select buttons***.
   The display will show z ✻ .

2. This sequence can be repeated during the 1 hour radio or 30 minute beep alarm period.





Sleep timer

The sleep timer can only be set when the power (Standby) is on.

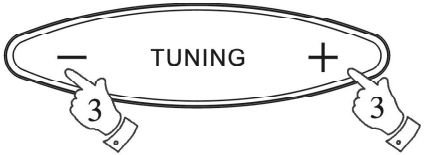
1. Repeatedly press and release the ***Info button*** until the display shows *Sleep Status*.

2. Press the ***Select button*** to select Sleep On.

3. Select the required sleep time (1- 99 minutes) using the ***Tuning Up or Down buttons***.

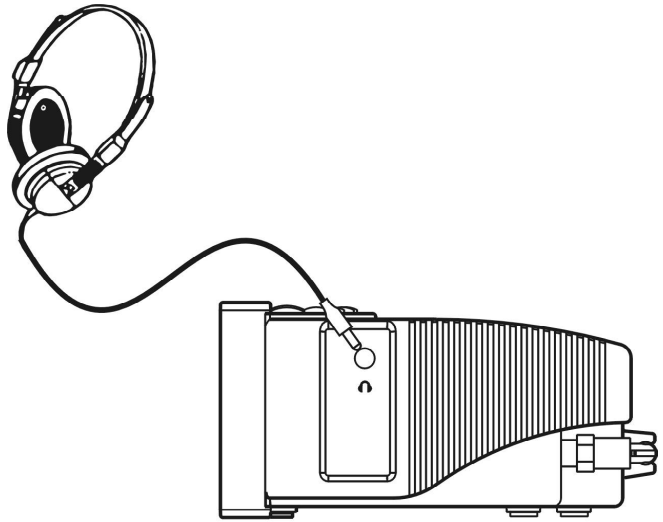
4. Press the ***Select button*** to confirm the sleep timer setting.

5. **The display will show sleep time before returning to normal radio display. The radio will switch off after the sleep time has elapsed.**



Headphone socket

A 3.5mm ***Headphone Socket*** located on the right-hand end of your radio is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.



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Display backlight

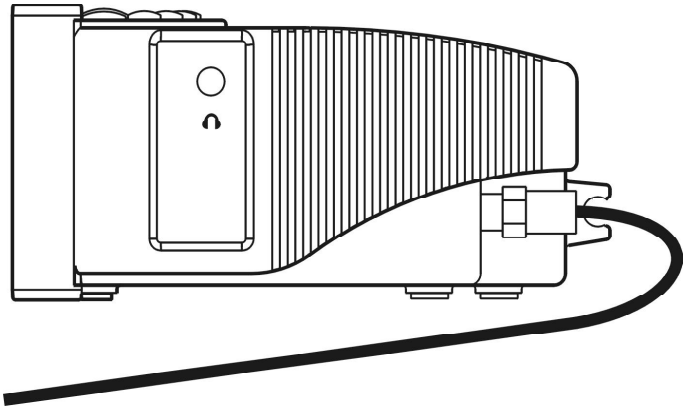
1. The display backlight has eight levels including off and can be set by repeatedly pressing and releasing the ***Light button***.

Aerials

As supplied your clock radio is fitted with a telescopic aerial. Should this prove inconvenient a separate wire aerial can be fitted in place of the telescopic aerial.

A spanner is provided to allow removal of the telescopic aerial. The wire aerial can then be plugged in place of the telescopic aerial.

Note : In areas where signals are weak the wire aerial may not prove to be as effective as the telescopic aerial.



Specifications

Power Requirements

Mains	AC 230 volts, 50Hz ∿ only

Frequency Coverage

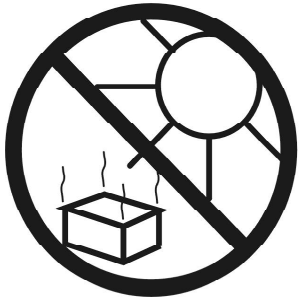
	FM	87.5 - 108MHz
	DAB	
	Band 3	174.928 - 239.200MHz
	L Band	1452 - 1492MHz(DCR-209)only

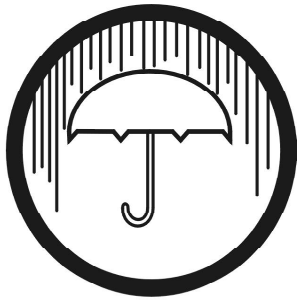
Circuit Features

Loudspeaker		77mm(3 inches), 8ohms
Output Power		0.9 Watts
Headphone socket		3.5mm dia
Aerial System	FM	Telescopic aerial or alternative wire aerial
	DAB	Telescopic aerial or alternative wire aerial

General

Do not allow this unit to be exposed to moisture (e.g. dripping or splashing) or to temperatures exceeding 70 degrees centigrade. It is recommended that the DAB band be used wherever possible as better results in terms of quality and freedom from interference will usually be obtained than on the FM band.





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